## Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

**Name of Work : Detailed Estimated for Improvements to Road from Mallasandra Main Road to Railway gate Palya, in Shettyhalli Sub Division, Ward No.12**

***Est.Cost Rs 85.00 Lakhs***

| Sl.No. | Description of Items | Unit | No. | L. | B. | D | Qty. | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRRB 500-3 Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100m, sequential spreading of the salvagea aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 (Page No.172, Item No. 21.3) /PWD SR 2012-13 | | | | | | | | |
| | Shettyhalli Main road | Sqm | 1 | 94.00 | 5.00 | | 470.00 | | |
| | | | | | | | **470.00** | 65.23 | 30659.00 |
| | Basic Rate | 60.40 | | | | | | | |
| | Area Weightage 8% | 4.83 | | | | | | | |
| | | 65.23 | | | | | | | |
| 2 | KSRRB 400.6.1 Construction of granular sub-baseby providing close graded material, mixing in a mechanical mix plant at OMC , carriage of mixed Material to work site; spreading in uniform layers with mortor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specification. A.Plant Mix Method. Close graded granual sub-base material as per 400-1 For Grading - I Material MORTH Chapter 4 (Page No.161, Item No. 20.4.1) PWD SR 2012-13 | | | | | | | | |
| | | Cum | 1 | 94.00 | 5.00 | 0.20 | 94.00 | | |
| | | | | | | | **94.00** | 981.72 | 92282.00 |
| | Basic Rate | 909.00 | | | | | | | |
| | Area Weightage 8% | 72.72 | | | | | | | |
| | | 981.72 | | | | | | | |
| 3 | KSRRB M400.17 : Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No.406 (Page No. ~~186~~ 167, Item No. 20.18) PWD SR 2012-13 | | | | | | | | |
| | | Cum | 1 | 94.00 | 5.00 | 0.20 | 94.00 | | |
| | | | | | | | **94.00** | 1059.48 | 99591.00 |
| | Basic Rate | 981.00 | | | | | | | |
| | Area Weightage 8% | 78.48 | | | | | | | |
| | | 1059.48 | | | | | | | |
| 4 | KSRRB 500-4 Providing and applying primer coat from 7.5 to 9.6 kg and 9.8 to 12.2 kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut back M.C.70 or any other bitumen mixed with diesel at 10kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. low porosity MORTH / Chapter 5 (Page No.172, Item No. 21.4.1) | | | | | | | | |
| | | Sqm | 1 | 94.00 | 5.00 | | 470.00 | | |
| | | | | | | | **470.00** | 68.36 | 32131.00 |
| | Basic Rate | 63.30 | | | | | | | |
| | Area Weightage 8% | 5.06 | | | | | | | |
| | | 68.36 | | | | | | | |

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| 5 | KSRRB 500-10 Tack Coat:- Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom complete as per specifications using bitumen emulsion. MORTH Specification No.503 (Page No.173, Item No. 21.10.1) PWD SR 2012-13 | | | | | | | | |
| | | Sqm | 1 | 1372.00 | 8.50 | | 11662.00 | | |
| | | | 1 | 810.00 | 8.50 | | 6885.00 | | |
| | Qty.vide item No.4 | | | | | | 470.00 | | |
| | | | | | | | **19017.00** | 10.80 | 205384.00 |
| | Basic Rate | 10.00 | | | | | | | |
| | Area Weightage 8% | 0.80 | | | | | | | |
| | | 10.80 | | | | | | | |
| 6 | KSRRB 500-11 . Providing and laying bituminous macadam on prepared surface with cushed coarse aggregates as per design mix formula for base/binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50/75mm compacted thickness with 3.3% bitumen but excluding cost of primer / tack coat with lead upto 1 km including cost of all materials, labour, HOM of machineries complete as per specification. MORTH Chapter 5 with 80/100 grade bitumen (Page No.173, Item No. 21.11.1) PWD SR 2012-13 | | | | | | | | |
| | | Cum | 1 | 94.00 | 5.00 | 0.05 | 23.50 | | |
| | | | | | | | **23.50** | 6106.32 | 143499.00 |
| | Basic Rate | 5654.00 | | | | | | | |
| | Area Weightage 8% | 452.32 | | | | | | | |
| | | 6106.32 | | | | | | | |
| 7 | KSRRB M500-19 Providing and laying bituminous concrete with 100-120 TPH batch type HOT mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.500.9 complete in all respects as per specifications. 30-45mm compacted thickness (Grading II) with 6% Bitumen 80/100 grade using 40-60 HMP. MORTH Specification No.509 (Page No.176, Item No. 21.22.3) PWD SR 2012-13 | | | | | | | | |
| | Shettyhalli Main road | Cum | 1 | 1372.00 | 8.50 | 0.04 | 466.48 | | |
| | Mallasandra M/R from Jungappa Temple to Mallasandra area | | 1 | 810.00 | 8.50 | 0.04 | 275.40 | | |
| | | | | | | | **741.88** | 10504.08 | 7792767.00 |
| | Basic Rate | 9726.00 | | | | | | | |
| | Area Weightage 8% | 778.08 | | | | | | | |
| | | 10504.08 | | | | | | | |
| 8 | When Anti Stripping agent is used confirming to appendix 5 of MORTH specification and IS 14982-2001, Page No.183/Item No.4 (b)/PWD SR 2011-12 | | | | | | | | |
| | | CUM | 1 | 1372.00 | 8.50 | 0.04 | 466.48 | | |
| | | | | | | | **466.48** | 103.68 | 48365.00 |
| | Basic Rate | 96.00 | | | | | | | |
| | Area Weightage 8% | 7.68 | | | | | | | |
| | | 103.68 | | | | | | | |
| 9 | KSRRB 400-1.3 Carriage of mixed materials 10 kms for items of Sl.No.19.1 to 19.6 and 19.8 to 19.16 (Page No.182) | | | | | | | | |
| | Qty.vide item No. 2 + 3 + 6 + 7 | Cum | | | | | 953.38 | | |
| | | | | | | | **953.38** | 56.70 | 54057.00 |
| | Basic Rate | 52.50 | | | | | | | |
| | Area Weightage 8% | 4.20 | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|
| | | 56.70 | | | | | | | |
| 18 9 | Miscellaneous and other unforseen charges | | | | | | | | 1265.00 |
| | | | | | | | | Total | 8500000.00 |
| (Rupees Eighty five Lakhs Only) | | | | | | | | | |

**CERTIFICATE**

1 The work sport has been inspected and the work found to be necessary
2 This estimate is prepared as per the PWD S.R of 2012-13
3 The provisions made in estimate are adequate and essential
4 This area comes under BBMP limits

**Asst. Engineer**
Ward No-12

**Asst.Executive Engineer**
Shettyhalli Sub-Division
BBMP

**Executive Engineer**
Dasarahalli Zone
BBMP

A/S

ಸಂ. JC(DH) AS/424/12-13 ದಿನಾಂಕ : 11/10/12
ರೂ. 85.00 Lakhs (Rupees Eighty five Lakhs only)
ಈ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
Page No. 04
Sl. No. 424
ಜಂಟಿ ಆಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ಮೇಲಿನ ಉಲ್ಲೇಖದ ತಾಂತ್ರಿಕ ಮತ್ತು ಆರ್ಥಿಕ ಅನುಮತಿಯ ಷರತ್ತುಗಳಿಗೆ ಒಳಪಟ್ಟು ಕಾಮಗಾರಿಯ ಕಛೇರಿ ಸಹಾಯಕರಿಗೆ ಕಾರ್ಯಾದೇಶ ನೀಡಲು ಸಂಖ್ಯೆ: ಬಿಳಿಕ್ಷಾ ಕಾ/101/2012-13, ದಿನಾಂಕ: 05/07/2012

ಸಂ. ಮು.ಲೆ/ದಾ.ವ/ತಾ.ಮ/53/2012-13 ದಿನಾಂಕ : 17-10-2012.
ರೂ. 85.00 ಲಕ್ಷಗಳು (ರೂಪಾಯಿ ಎಂಬತ್ತೈದು ಲಕ್ಷಗಳು)
ಈ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬ.ಬೃ.ಬೆ.ಮ.ಪಾ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.